

# Product Datasheet

## Laminin gamma 1 Antibody (LAMC1/3162) [Alexa Fluor® 700]

**NBP3-14109AF700**

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-14109AF700**

Laminin gamma 1 Antibody (LAMC1/3162) [Alexa Fluor® 700]

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	LAMC1/3162
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1 Kappa
<b>Conjugate</b>	Alexa Fluor 700
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	50mM Sodium Borate
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	3915
<b>Gene Symbol</b>	LAMC1
<b>Species</b>	Human
<b>Reactivity Notes</b>	0
<b>Specificity/Sensitivity</b>	Laminins are large hetero-trimeric, non-collagenous glycoproteins composed of alpha, beta, and gamma chains. This monoclonal antibody reacts with laminin B2/1 chain of ~210kDa and does not cross-react with other basement membrane components or fibronectin. Its specificity was established by immunoprecipitation and immunofluorescence of human skeletal muscle and kidney with laminin chain-specific monoclonal antibodies. Epithelial sheets in vivo are separated from the mesenchymal elements of the stroma by a thin layer of a specialized type of extracellular matrix termed the basement membrane (BM). This structure consists of individual components, some of which are ubiquitous in BMs and some are not. The ubiquitous ones comprise laminin (LN), entactin/nidogen (EN), collagen type IV (CIV), and large heparan sulfate proteoglycan (HSPG), which interact specifically with each other to form a continuous and regular BM. Alterations of BM integrity, from local discontinuities up to complete loss, are described in many types of human and animal epithelial neoplasms. This monoclonal antibody stains uniformly all human and murine basement membranes.
<b>Immunogen</b>	Murine EHS laminin preparation

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<b>Product Application Details</b>	
<b>Applications</b>	ELISA, Immunohistochemistry-Paraffin, Protein Array
<b>Recommended Dilutions</b>	ELISA, Immunohistochemistry-Paraffin, Protein Array
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.





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### **Products Related to NBP3-14109AF700**

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IC002N	Mouse IgG1 Isotype Control (11711) [Alexa Fluor® 700]
H00003915-P01-10ug	Recombinant Human Laminin gamma 1 GST (N-Term) Protein
233-FB-025	FGF basic/FGF2/bFGF [Unconjugated]
NBL1-12430	Laminin gamma 1 Overexpression Lysate

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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